Martin-Gatton College of Agriculture, Food and Environment

Animal Sciences

Pre-Professional Option – Starting in CHE 109

1st Fall Semester	
AFE 100 *Issues in Agriculture, Food & Environment*	3 credits
ASC 101 *Domestic Animal Biology*	3 credits
CIS or WRD 110 *Composition & Communication I*	3 credits
MA 109 *College Algebra*	3 credits
UK Core Humanities	3 credits
Total:	**15 credits**

1st Spring Semester	
ASC 102 *Introduction to Livestock & Poultry Production*	3 credits
CHE 109 *General Chemistry IA*	4 credits
CIS or WRD 111 *Composition & Communication II*	3 credits
STA 210 *Introduction to Statistical Reasoning* or STA 296 *Statistical Methods & Motivation*	3 credits
UK Core Social Sciences	3 credits
Total:	**16 credits**

2nd Fall Semester	
ASC 205 *Career Development for Animal Sciences*	1 credit
BIO 148 *Introductory Biology I*	3 credits
CHE 110 *General Chemistry IB*	4 credits
CHE 111 *General Chemistry I Lab*	1 credit
UK Core Arts & Creativity	3 credits
UK Core Global Dynamics	3 credits
Total:	**15 credits**

2nd Spring Semester	
BIO 152 Principles of Biology II	3 credits
CHE 107 *General Chemistry II*	3 credits
CHE 113 *General Chemistry II Lab*	2 credits
WRD 203 *Business Writing* or WRD 204 *Technical Writing*	3 credits
Free Elective	3 credits
Total:	**14 credits**

3rd Fall Semester	
ASC 325 *Animal Physiology*	3 credits
ASC 362 *Animal Breeding & Genetics*	4 credits
CHE 230 *Organic Chemistry I*	3 credits
CHE 231 *Organic Chemistry I Lab*	1 credit
PHY 211 *General Physics*	5 credits
Total:	**16 credits**

3rd Spring Semester	
ASC 364 *Reproductive Physiology of Farm Animals*	4 credits
ASC Production Course	3-4 credits
BIO 304 *Principles of Genetics*	4 credits
CHE 232 *Organic Chemistry II*	3 credits
CHE 233 *Organic Chemistry II Lab*	1 credit
Total:	**15-16 credits**

4th Fall Semester	
ASC 378 *Animal Nutrition*	3 credits
ASC Production Course	3-4 credits
Academic Enrichment Experience	1-3 credits
Free Elective	3 credits
Specialty Support Elective	3 credits
Total:	**13-16 credits**

4th Spring Semester	
ASC 380 *Applied Animal Nutrition*	3 credits
ASC 470 *Capstone for Animal Agriculture*	3 credits
ASC Production Course	3-4 credits
Free Elective	3 credits
Free Elective	3 credits
Total:	**15-16 credits**

Specialty Support Electives: BCH 401G *Fundamentals of Biochemistry*, BIO 308/309 *General Microbiology & Lab*, BIO 315 I*ntroduction to Cell Biology*, PHY 213 *General Physics II*

ASC Production Courses: ASC 404 *Sheep Science*, ASC 406 *Beef Cattle Science*, ASC 408 *Swine Science*, ASC 410 *Equine Science*, ASC 420 *Dairy Cattle Science*, ASC 440 *Poultry Science*